

I claim:

- 1 1. A system for processing waste comprising:
 - 2 a. a waste sludge comprising solid waste and liquid;
 - 3 b. at least one geotextile container for filtering at least some of the liquid from the
4 waste sludge;
 - 5 c. at least one connector for transporting the waste sludge into the at least one
6 geotextile container; and
 - 7 d. a liquid reservoir for collecting the liquid filtered from the at least one geotextile
8 container.
- 1 2. The system of claim 1, wherein the system further comprises a waste reservoir for
2 collecting the waste sludge and wherein the at least one connector transports the waste sludge
3 from the waste reservoir and into the at least one geotextile container.
- 1 3. The system of claim 1, wherein the at least one connector comprises a pipe.
- 1 4. The system of claim 1, further comprising at least one regulator for controlling flow of
2 the waste sludge into the at least one geotextile container.
- 1 5. The system of claim 1, wherein the at least one regulator comprises a valve.
- 1 6. The system of claim 1, wherein the at least one geotextile container comprises an at
2 least partially liquid permeable material.
- 1 7. The system of claim 1, wherein the material comprises fabric.
- 1 8. The system of claim 6, wherein the at least one geotextile container comprises an inner
2 layer and an outer layer of material.
- 1 9. The system of claim 1, further comprising a barrier defining an area in which the at least
2 one geotextile container may be positioned.

1 10. The system of claim 1, further comprising a liner positioned under the at least one
2 geotextile container.

1 11. The system of claim 1, further comprising a three-dimensional drainage net positioned
2 under the at least one geotextile container.

1 12. The system of claim 1, wherein the liquid reservoir is positioned substantially adjacent
2 the at least one geotextile container.

1 13. The system of claim 1, wherein the at least one geotextile container comprises a primary
2 geotextile container and a secondary geotextile container and the at least one connector
3 comprises a primary connector and a secondary connector, wherein the primary connector
4 transports waste sludge into the primary geotextile container and wherein the secondary
5 connector transports liquid filtered by the primary geotextile container into the secondary
6 geotextile container.

1 14. The system of claim 1, wherein the at least one geotextile container comprises at least
2 two geotextile containers, wherein the system is adapted to simultaneously feed the waste
3 sludge into the at least two geotextile containers.

1 15. The system of claim 1, wherein the at least one geotextile container is self-supporting.

1 16. The system of claim 1, further comprising:
2 at least one chemical conditioner for imparting a charge to a portion of the solid waste in
3 the waste sludge;
4 at least one polymer carrying an opposite charge to that imparted by the at least one
5 chemical conditioner to aid in coagulation of the solid waste in the waste sludge.

1 17. A method of processing waste comprising:
2 a. feeding waste sludge comprising solid waste and liquid into at least one
3 geotextile container;
4 b. removing at least some of the liquid from the waste sludge using the at least one
5 geotextile container; and

6 c. collecting the liquid removed from the waste sludge.

1 18. The method of claim 17, wherein the waste sludge is fed into the at least one geotextile
2 container through a connector.

1 19. The method of claim 17, wherein removing at least some of the liquid comprises
2 allowing the liquid to permeate through the geotextile container.

1 20. The method of claim 17, wherein the at least one geotextile container comprises a
2 primary and a secondary geotextile container and the waste sludge is fed into the primary
3 geotextile container, wherein the method further comprises feeding the collected liquid into the
4 secondary geotextile container.

1 21. The method of claim 17, wherein the at least one geotextile container comprises at least
2 two geotextile containers and the waste sludge is fed simultaneously into the at least two
3 geotextile containers.

1 22. The method of claim 17, further comprising controlling flow of the waste sludge into the
2 at least one geotextile container.

1 23. The method of claim 17 wherein the at least one geotextile container is self-supporting.
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1 24. The method of claim 17, further comprising:
2 adding at least one chemical conditioner for imparting a charge to a portion of the solid
3 waste in the waste sludge to the waste sludge before feeding the waste sludge into the at least
4 one geotextile container;

5 adding at least one polymer carrying an opposite charge to that imparted by the at least
6 one chemical conditioner to aid in coagulation of the solid waste in the waste sludge to the
7 waste sludge before feeding the waste sludge into the at least one geotextile container.
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1 25. A system of processing waste comprising:

2 a. a waste sludge comprising solid waste and liquid;

3 b. a waste reservoir for collecting the waste sludge;

- 4 c. at least one geotextile container for filtering at least some of the liquid from the
5 waste sludge, wherein the at least one geotextile container comprises an at least partially liquid
6 permeable material;
- 7 d. at least one pipe for transporting the waste sludge from the waste reservoir and
8 into the at least one geotextile container; and
- 9 e. a liquid reservoir located substantially adjacent the at least one geotextile
10 container for collecting the liquid filtered from the at least one geotextile container.